1.   A computer implemented method for provisioning broadband service in a
Point-to-Point Protocol over Ethernet (PPPoE) network, comprising:
            randomly choosing a username from a list of usernames stored on a
       modem;
            transmitting an authentication request from said modem to a
       Broadband Remote Access Server (BRAS) over a PPPoE network, where
       said BRAS is configured to load balance said authentication request between
       multiple Broadband Service Nodes (BSNs); and
            receiving authorization from at least one of said multiple BSNs.

2.   The method of claim 1, further comprising, prior to said receiving step, the
steps of:
            load balancing said authentication request between said multiple
       Broadband Service Nodes (BSNs);
            transmitting said authentication request to one of said multiple BSNs
       determined by said load balancing.

3.   The method of claim 1, further comprising, prior to said transmitting step, the
step of establishing a PPPoE session.

4.   The method of claim 1, further comprising, prior to said transmitting step, the
steps of:
            requesting only a single identifier from a user of a client computer;
            receiving said identifier; and
            storing said identifier.

5.   A method of claim 1, wherein said receiving step comprises acquiring at least
one temporary dynamic Internet Protocol (IP) address.

6.   The method of claim 5, further comprising:
            transmitting a configuration request to an Internet Service Provider
       (ISP), where said configuration request is addressed from said dynamic IP
       address;

5   receiving full configuration details from said ISP, where said full
6   configuration details include a static IP address, and where said full
7   configuration details are addressed to said dynamic IP address; and
8   automatically configuring said modem based on said full configuration
9   details.

1   7.   A system for provisioning broadband service in a Point-to-Point Protocol Over
2   Ethernet (PPPoE) network, comprising:
3   at least one client computer;
4   a Broadband Remote Access Server (BRAS);
5   multiple Broadband Service Nodes (BSNs) coupled to said BRAS;
6   an authentication server coupled to each one of said multiple BSNs;
7   a modem coupled between said client computer and said BRAS, said
8   modem including a memory comprising:
9   a list of usernames;
10   instructions for randomly choosing a username from
11   said list of usernames;
12   instructions for transmitting an authentication request
13   from said modem to said BRAS over a PPPoE network, where
14   said BRAS is configured to load balance said authentication
15   request between said multiple BSNs; and
16   instructions for receiving authorization from at least one
17   of said multiple BSNs.

1   8.   The system of claim 8, further comprising:
2   a Digital Subscriber Line Access Multiplexor (DSLAM) coupled
3   between said modem and said BRAS; and
4   an Asynchronous Transfer Mode (ATM) network coupled between
5   said DSLAM and said BRAS.

1   9.   The system of claim 8, wherein said BSNs are coupled to the Internet.

1   10.   The system of claim 8, wherein said memory further comprises a generic
2   password.

11. The system of claim 8, wherein said BRAS includes a memory comprising:
   instructions for load balancing said authentication request between
said multiple Broadband Service Nodes (BSNs);
   instructions for transmitting said authentication request to one of said
multiple BSNs determined by said load balancing.

12. A computer program product for use in conjunction with a computer system
for provisioning broadband service in a Point-to-Point Protocol Over Ethernet
(PPPoE) network, the computer program product comprising a computer readable
storage and a computer program stored therein, the computer program comprising:
   instructions for randomly choosing a username from a list of
usernames stored on a modem;
   instructions for transmitting an authentication request from
said modem tosaid BRAS over a PPPoE network, where said BRAS
is configured to load balance said authentication request between
said multiple BSNs; and
   instructions for receiving authorization from at least one of said
multiple BSNs.